|       |   |           |          |         |         |         |           |              |         | 10/613,819                  |  |          |          |         |                  |          |          |           |              |        | SIRINYAN ET AL |            |          |                 |          |                  |             |           |          |           |
|-------|---|-----------|----------|---------|---------|---------|-----------|--------------|---------|-----------------------------|--|----------|----------|---------|------------------|----------|----------|-----------|--------------|--------|----------------|------------|----------|-----------------|----------|------------------|-------------|-----------|----------|-----------|
|       |   |           | Ш        |         |         |         |           |              |         |                             |  |          |          | E       | xan              | nir      | er       |           |              |        |                |            |          | A               | rt (     | Unit             | t           |           |          |           |
|       | 1 (4.0 (4.1 ) 10 ) 1 0 (10.0 ) 10 10 10 10 10 (10.0 ) 10 10 (10.0 ) 10 10 (10.0 ) |           |          |         |         |         |           |              |         |                             |  |          |          | E       | Elli Peselev     |          |          |           |              |        |                |            |          |                 |          | 3_               |             | _         |          |           |
|       | √ Rejected  |           |          |         |         |         |           | [-           | -       | (Through numer<br>Cancelled |  |          |          |         |                  |          | N        | No        | Non-Elected  |        |                |            | A        |                 | <i>A</i> | Эpp              |             | 1         |          |           |
|       |   | =         | Allowed  |         |         |         |           | 1            |         |                             | Restricted                                       |          |          |         |                  |          | 1        | Int       | Interference |        |                |            | 0        |                 | Objected |                  |             |           |          |           |
| Claim | n T   |           |          | Date    |         |         |           |              | 7       | Claim                       |  |          | (        |         | ate              | <u> </u> |          |           |              | CI     | aim            |            | Date     |                 |          |                  |             |           |          |           |
|       | ख   | 4         |          | T       |         | Τ       |           | Τ            | T       |                             |  | $\Box$   |          |         |                  |          |          |           |              |        |                |            |          |                 |          | П                | П           |           |          |           |
| Final | Original  | ૧૦<br>૧૬  |          |         |         |         |           |              |         |                             | Final  | Original |          |         |                  |          | Ì        |           |              |        | Final          | Original   |          |                 |          |                  |             |           |          |           |
|       | 1   |           |          | 丰       | $\perp$ | Ţ       | Ţ         | $\downarrow$ | 1       |                             |  | 51       |          |         |                  |          | _        | 1         |              |        |                | 101        |          |                 |          | 口                | コ           | $\Box$    | $\Box$   | $\exists$ |
|       | 2 1   | 4         | +        | +       | +       | ╀       | ╀         | +            | +       | -                           |  | 52<br>53 | ╀        | +       | $\vdash$         | ᅱ        | +        | +         |              |        |                | 102<br>103 | ┝        | Н               |          | Н                | $\dashv$    | $\dashv$  | $\dashv$ | $\dashv$  |
|       | 4   | 5         | +        | 十       | ╁       | +       | +         | +            | ╁       | 1                           |  | 54       |          | +       | $\vdash$         | +        | 十        | +         | ╁            | ł      |                | 103        | $\vdash$ | Н               |          | $\vdash$         | $\dashv$    | -         | $\dashv$ | +         |
|       | 5   | u         |          | I       |         |         | $\perp$   | $\perp$      |         | ]                           |  | 55       |          |         | П                |          | 1        | 工         |              |        |                | 105        |          |                 |          |                  | コ           |           |          | ゴ         |
|       | 6   | 4         | 1        | 4       | 1       | $\perp$ | $\perp$   | $\perp$      | 1       | 4                           |  | 56       |          | _       |                  | _        | _        | $-\Gamma$ | $\bot$       |        |                | 106        | $\Box$   | П               |          | Щ                | $\dashv$    | $\Box$    | $\Box$   | $\Box$    |
|       | 7 8   | +         | +        | +       | ╁       | ╁       | +         | +            | +       | -                           | <u> </u>   | 57<br>58 | $\vdash$ | +       | $\vdash$         | $\dashv$ |          | +         | +-           | 1      |                | 107<br>108 | _        | $\vdash \vdash$ | 4        | $\vdash$         | $\dashv$    |           | $\dashv$ | $\dashv$  |
|       | 9   | $\dashv$  | $\dashv$ | +       | +-      | +       | +         | +            | +       | 1                           |  | 59       | +        | +       | $\vdash \vdash$  | ᅦ        | -+       | +         | +            |        |                | 109        | -        | H               | $\dashv$ | $\vdash$         | $\dashv$    | $\dashv$  | $\dashv$ | -         |
| 1     | 10  |           |          |         |         |         | 工         |              |         | ]                           |  | 60       |          |         |                  |          |          |           |              |        |                | 110        |          |                 |          |                  | コ           |           |          |           |
|       | 11  | _         | _        | $\bot$  | $\perp$ | 1       | +         | 4            | _       | 4                           |  | 61       | <u> </u> | _       | $\sqcup$         |          | _        | 4         | 1            |        |                | 111        | L        |                 |          | $\Box$           | $\sqsupset$ |           |          |           |
|       | 12<br>13  | -         | +        | +       | +       | ╀       | +         | +            | +-      | 4::::                       | -  | 62<br>63 | - -      | +       | $\vdash$         | -        | _        | +         |              |        |                | 112<br>113 |          | -               | _        | $\vdash$         | $\dashv$    |           | _        | _         |
|       | 14  | +         | +        | +       | +-      | ╁       | ╅         | 十            | ╫       | -                           |  | 64       | -        | +-      | $\vdash \vdash$  | $\dashv$ | $\dashv$ | +         | +-           |        |                | 114        | -        | $\vdash$        | -        | $\vdash$         | $\dashv$    | -         | -        | +         |
|       | 15  |           |          |         |         | T       | $\top$    | $\top$       | T       | ]                           |  | 65       |          | $\top$  | П                | T        |          |           | 十            |        |                | 115        | _        | H               |          | $\sqcap$         | 十           | 寸         |          | +         |
|       | 16  |           | $\perp$  | I       |         | I       | T         | I            | $\perp$ |                             |  | 66       |          | J       | П                |          |          |           | 工            | ]      |                | 116        |          |                 |          |                  | $\Box$      |           |          |           |
|       | 17  | 4         | +        | +       | 1       | +       | +-        | +            | 4       |                             | <u> </u>   | 67       | -        | 4-      | $\sqcup$         | 4        | _        | _         | $\bot$       |        |                | 117        | _        | $\square$       |          | $\dashv$         | $\dashv$    |           | 4        | _         |
|       | 18<br>19  | +         | +        | +       | ╁       | ╁       | +         | +            | +       | -                           |  | 68<br>69 | $\vdash$ | -       | $\vdash$         | $\dashv$ | -+       | +         | +            |        |                | 118<br>119 | ⊢        | $\vdash$        | $\dashv$ | $\vdash$         | $\dashv$    | $\dashv$  | -        |           |
|       | 20  | 1         | 1        | -       | ╁       | t       | +         | $\dagger$    | +       | 1                           |  | 70       | $\vdash$ | -       | $\vdash$         | 7        | _        | +         | +            |        |                | 120        | ┢        | H               | $\dashv$ | $\vdash$         | 十           | +         | $\dashv$ | +         |
| 2     | 21  | $\Box$    |          |         | 工       | T       |           | T            |         | ]                           |  | 71       |          |         |                  |          |          |           |              |        |                | 121        |          |                 |          |                  | ユ           | $\exists$ |          |           |
|       | 22  | $\dashv$  | $\perp$  | +       | 4       | ╀       | -         | ╀            | -       | 4                           | <u> </u>   | 72       | $\perp$  | ╁-      | $\sqcup$         | 4        | _        | _         | 1            |        |                | 122        | <u> </u> |                 | _        | $\dashv$         | $\dashv$    | _         | $\perp$  |           |
|       | 23<br>24  | $\dashv$  | +        | +       | +       | +       | +         | ╀            | ╬       | -                           |  | 73<br>74 | -        | +       | ╁╌┼              | $\dashv$ | -+       | +         | +            | ł::::i |                | 123<br>124 | -        | $\vdash$        | $\dashv$ | $\dashv$         | $\dashv$    | $\dashv$  | $\dashv$ | $\dashv$  |
|       | 25  | ┪         | +        | +       | +-      | +       | +         | ╁            | ╁       | 1                           |  | 75       | $\vdash$ | ╁╴      | $\vdash$         | -        | +        | +         | +            |        |                | 125        |          | $\vdash$        | $\dashv$ | $\dashv$         | $\dashv$    | $\dashv$  | $\dashv$ | $\dashv$  |
| 2     | 26  |           |          | 工       |         | Ι       |           | I            |         | ]                           |  | 76       |          |         |                  |          |          |           |              |        |                | 126        |          |                 |          |                  |             |           |          | $\top$    |
|       | 27  | 4         | 4        | $\bot$  | $\perp$ | 1       | $\perp$   | 4            | _       | 1                           |  | 77       | $\sqcup$ | 4_      | Ш                | _        |          |           | $\bot$       |        |                | 127        |          |                 |          | $\Box$           | $\supset$   | $\Box$    | $\Box$   |           |
|       | 28<br>29  | $\dashv$  | +        | +       | +       | +-      | +         | +            | +       | -                           |  | 78<br>79 |          | +-      | $\dashv$         | $\dashv$ | $\dashv$ | - -       | - -          |        |                | 128<br>129 | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$         | $\dashv$    | $\dashv$  | $\dashv$ | $\dashv$  |
|       | 30  | $\dashv$  | +        | +       | +-      | $^{+}$  | $\dagger$ | +            | +       | 1                           | <del>                                     </del> | 80       | +        | +       | $\forall$        | +        | $\dashv$ | $\dashv$  | +            |        |                | 130        | ┢┈       | $\vdash$        | $\dashv$ | -                | +           | $\dashv$  | $\dashv$ | $\dashv$  |
| 3     | 31  |           |          | I       | I       | I       | T         | 1            |         | ]                           |  | 81       |          |         | $\Box^{\dagger}$ | ╛        | コ        |           |              |        |                | 131        |          |                 | _        | 一                | 寸           | _         | _        |           |
|       | 32  | 4         | 1        | $\bot$  |         | $\perp$ | $\perp$   | L            |         | 4                           |  | 82       |          | $\perp$ | Ш                | $\Box$   | $\Box$   | $\bot$    | $oxed{\Box}$ |        |                | 132        |          | П               | $\Box$   | $\Box$           | コ           |           | $\Box$   |           |
|       | 33  <br>34  | $\dashv$  | +        | +       | +       | +       | +-        | +            | +       | -                           |  | 83<br>84 | - -      | +-      | $\vdash$         | 4        | $\dashv$ | +         | +            |        |                | 133<br>134 | $\vdash$ | $\mid - \mid$   | _        | <del>     </del> | $\dashv$    | _         | $\dashv$ | 4         |
|       | 35  | $\dashv$  | +        | +       | +       | +       | ╁         | +            | +       | 1                           |  | 85       | - -      | +       | $\vdash$         | $\dashv$ | $\dashv$ | +         | +            |        |                | 135        | -        | $\vdash$        | $\dashv$ | _                | +           | $\dashv$  | $\dashv$ | $\dashv$  |
| 3     | 36  | コ         |          | 1       | I       | I       | T         |              |         |                             |  | 86       |          | 丁       | 口                | 丁        | 寸        | _         | 丁            |        |                | 136        |          | $\Box$          |          | $\top$           | 十           | $\dashv$  | $\dashv$ | +         |
|       | 37  | Ţ         | $\perp$  | $\perp$ | 1       | $\perp$ | Ţ         | I            | $\perp$ | 1:                          |  | 87       |          |         | П                | $\Box$   | $\Box$   | $\perp$   | $\top$       |        |                | 137        |          |                 |          | $\Box$           | コ           |           | $\Box$   |           |
|       | 38<br>39  | +         | +        | +       | +       | +       | +         | +            | +       | -                           |  | 88<br>89 | $\vdash$ | +       | $\vdash \vdash$  | $\dashv$ | $\dashv$ | +         | +            |        |                | 138        | <u> </u> | Н               | _        | $\dashv$         | 4           | 4         | 4        | 4         |
|       | 10  | $\dashv$  | +        | +       | +-      | +       | +         | ╁            | +       |                             |  | 90       | $\vdash$ | +       | $\vdash$         | $\dashv$ | +        | +         | +            |        |                | 139<br>140 | -        | $\vdash$        | $\dashv$ | $\dashv$         | +           | $\dashv$  | $\dashv$ | +         |
| 4     | 11  | $\exists$ |          | 士       |         | İ       | İ         | Ť            | 1       | 1                           |  | 91       |          | $\top$  | $\Box$           | $\dashv$ | _        | $\top$    | $\top$       |        |                | 141        | $\vdash$ | $\vdash$        |          | $\top$           | 十           | $\dashv$  | $\dashv$ | +         |
| 4     | 12  | $\Box$    |          | $\bot$  | I       | I       | I         | T            |         | ] ::                        |  | 92       |          | $\perp$ |                  |          | 工        |           |              |        |                | 142        |          |                 |          | 士                | $\perp$     |           | ╛        | 寸         |
|       | 13  | 4         | $\bot$   | +       | 4       | $\perp$ | +         | 1            | 1       | }::                         |  | 93       |          | $\perp$ | $\prod$          | _[       | $\perp$  | $\bot$    | $\perp$      |        |                | 143        | $\Box$   | П               | Д        | 耳                | $\bot$      | $\exists$ | J        | I         |
|       | 15  | $\dashv$  | +        | +       | ╁       | +       | +         | +            | +-      | 1.                          |  | 94<br>95 | $\vdash$ | +       | ⊢┼               | $\dashv$ | $\dashv$ | +         | +            | Ü      |                | 144<br>145 | $\vdash$ | $\dashv$        | 4        | $\dashv$         | +           | $\dashv$  | $\dashv$ | $\dashv$  |
|       | 16  | +         | +        | +       | +       | +       | +-        | +            | +       |                             |  | 96       | $\vdash$ | ╁       | $\vdash \vdash$  | $\dashv$ | +        | +         | +            |        |                | 146        | Н        | $\vdash$        | $\dashv$ | +                | +           | $\dashv$  | $\dashv$ | +         |
| 4     | 17  | 士         |          | 士       | 1       | T       | 1         | 丁            | 1       | 1                           |  | 97       | $\Box$   | 十       |                  | +        | $\dashv$ | +         | $\top$       |        |                | 147        | -        | $\forall$       | $\dashv$ | 十                | +           | $\dashv$  | $\dashv$ | +         |
|       | 8   | $\Box$    | $\perp$  | I       | $\Box$  | $\Box$  | I         | I            | L       |                             |  | 98       |          | I       |                  |          |          |           |              |        |                | 148        |          |                 | ╛        | $\exists$        | ユ           | ╛         |          | 丁         |
| 4     | 9   | $\perp$   | Ļ        | $\perp$ | Ĺ       | Ĺ       | $\Box$    | $\int$       | $\perp$ | 1.                          |  | 99       |          |         |                  | I        | Τ        | Ι         |              |        |                | 149        |          |                 |          |                  | $\top$      | $\Box$    | 丁        | $\dashv$  |

Application/Control No.

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Applicant(s)/Patent under Reexamination